tesa® 4970

Product Information

225µm double sided white PVC film tape

Product Description

tesa® 4970 is a white, double-sided mounting tape with a highly tackified acrylic adhesive and PVC backing. The double-sided PVC film tape has exceptional bonding performance and is used in various different industries, frequently used for fastening heavy signs and point-of-sale displays. The tackified acrylic adhesive features excellent adhesive performance, offering a reliable bond even on low energy surfaces and rough or slightly dirty substrates. The strong adhesive and PVC backing make the tape highly resistant to numerous factors, including plasticizers, humidity, aging, UV light, and chemicals. tesa® 4970 offers a very high initial bond immediately after application and is ideal for various long-term mounting applications.

Sustainable Aspects

tesa® More Sustainable Paper Liner:

- Responsibly sourced paper liner (certified)
- Unbleached paper with 30% recycled fibers

For more information: https://www.tesa.com/product-sustainability

Product Features

- High adhesion and very good bonding strength, even to low surface energy materials
- Immediate functionality of the laminated bond due to excellent initial tack
- Light- and aging-resistant acrylic adhesive for long-term applications
- Very good plasticizer resistance
- Good conformability for good adhesion even on rougher surfaces due to the PVC backing

Application Fields

- tesa® 4970 is the perfect solution for mounting decorative POS materials and displays
- Mounting signs and scales
- Bonding during assembly of moldings and trims in the furniture industry
- Ideal for mounting plastic or wooden trims

For latest information on this product please visit http://l.tesa.com/?ip=04970

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Product Information

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

• Backing	PVC film	• Total thickness	225 µm
• Type of adhesive	tackified acrylic	• Color	white

Properties/Performance Values

• Elongation at break	20 %	• Static shear resistance at 23°C	good
• Tensile strength	38 N/cm	• Static shear resistance at 40°C	medium
• Ageing resistance (UV)	good	• Tack	very good
• Chemical Resistance	good	• Temperature resistance long term	60 °C
• Humidity resistance	very good		
• Softener resistance	very good	• Temperature resistance min.	-40 °C
		• Temperature resistance short term	70 °C

Adhesion to Values

• ABS (initial)	13.4 N/cm	• PET (after 14 days)	11.9 N/cm
• ABS (after 14 days)	14.4 N/cm	• PP (initial)	9.7 N/cm
• Aluminium (initial)	11.5 N/cm	• PP (after 14 days)	10.8 N/cm
• Aluminium (after 14 days)	12.6 N/cm	• PS (initial)	14.7 N/cm
• PC (initial)	16.2 N/cm	• PS (after 14 days)	15.2 N/cm
• PC (after 14 days)	16.9 N/cm	• PVC (initial)	12.4 N/cm
• PE (initial)	8.5 N/cm	• PVC (after 14 days)	16.6 N/cm
• PE (after 14 days)	9.1 N/cm	• Steel (initial)	13 N/cm
• PET (initial)	11.5 N/cm	• Steel (after 14 days)	13.6 N/cm

Additional Information

Liner variants:

- PV0: brown glassine paper (69µm; 80g/m^2)
- PV2: brown glassine paper (78µm; 90g/m^2)
- Sustainability Marker valid for paper liner version

For spools, it is recommended to use tesa® dispensers to achieve optimal results

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Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

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